

Co-benefits from Air Pollution

Viewpoints

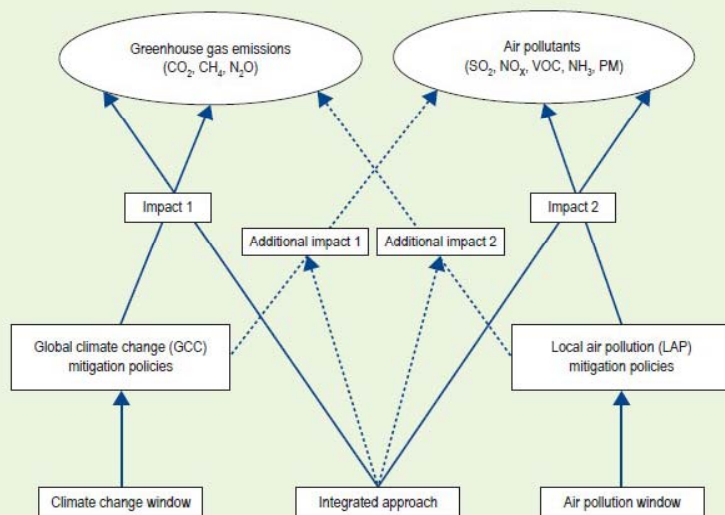
大気汚染の観点からみたコベネフィット・アプローチの意義

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Implications between climate change (CC) and air pollution (AP)

気候変動と大気汚染との関係

Policy perspective on climate change and air pollution



Impacts of CC actions to AP

Impacts of AP actions to CC
- Reduction in SO₂, aerosols

Cost reduction through integrated approach

Needs for synergy
- AP reduction strategy for short-lived species (**CH₄, O₃ and black carbon**).

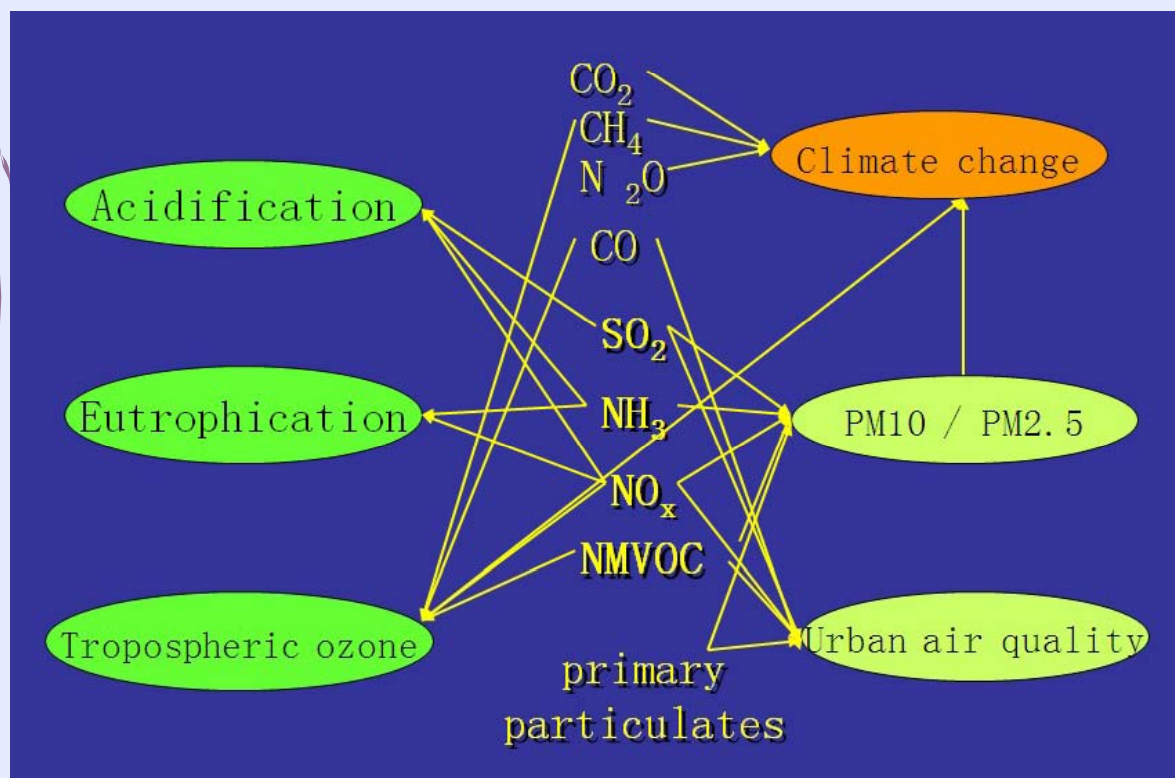
Historical background

歴史的経緯

- ◆ Activities Implemented Jointly (AIJ) in late 1990s clearly demonstrated co-benefits between climate change and air pollution, especially in Eastern Europe (benefits for human health).
- ◆ In relation to the Convention on Long-range Transport of Air Pollution (CLRTAP), the review of 1999 Gothenburg Protocol indicated an extended multi-pollutant, multi-effects approach.

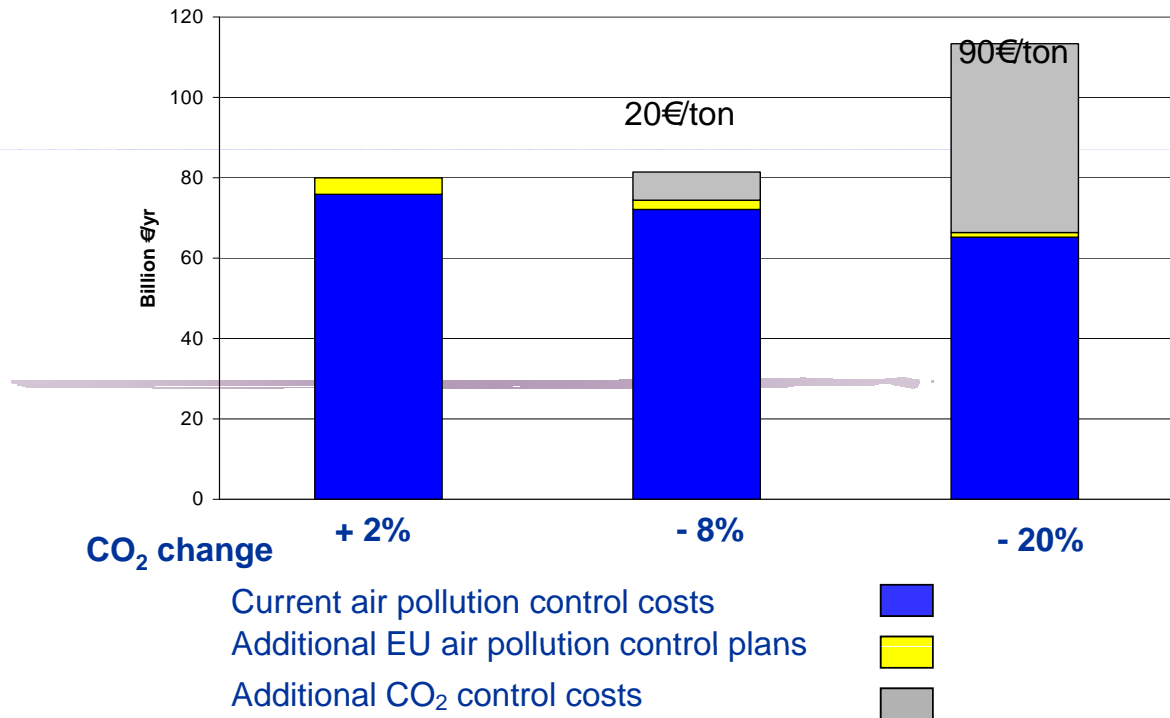
Extended Multi-pollutant, Multi-effects Approach

汚染物質複合、複合効果アプローチの拡張



European costs for controlling air pollution and CO₂ emissions

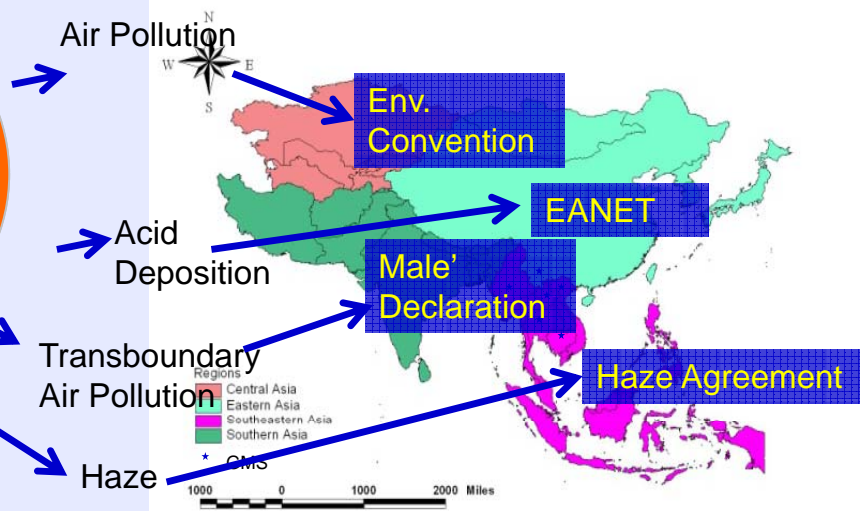
欧州における大気汚染物質とCO₂排出抑制対策の費用



Asian Challenge to Regional Air Pollution Sub-regional Networks

地域の大気汚染対策に向けたアジアの挑戦
- 準地域のネットワーク -

Air Pollution
Haze ; Smog;
Aerosols; Acid deposition



CAI-Asia

Acid Deposition Monitoring Network in East Asia (EANET) 東アジア酸性雨モニタリングネットワーク



Participation:

13 countries in East Asian region, which includes Northeast and Southeast Asia, that expressed their intention to participate in the Network

Achievements

- **Agreement:** need for intergovernmental cooperation on air pollution
- **Network** of policy makers and experts
- **Harmonized methodologies** for monitoring
- Regional level **monitoring network** and high quality data
- Local network for air quality monitoring
- Report for policy makers



Mondy(Russia)



Banryu(Japan)



Terej(Mongolia)



Los Banos(Philippines)



Kosan(R.of Korea)



Hoa Binh(Viet Nam)



Tanah(Malaysia)



Jakarta/EMC(Indonesia)



Bangkok/ERTC(Thailand)



Zhuhai(China)

Governmental Meeting on Urban Air Quality

都市大気環境に関する政府会合

Objectives

To support the efforts of Asian governments to arrive at more optimal air pollution abatement strategies for urban areas.

First Meeting

December 2006 in Yogyakarta
Requested for LTV

Second Meeting

November 2008 in Bangkok

Discuss the draft Long Term Vision for urban air quality in Asia for possible adoption

Provide a forum for the government agencies to discuss their common interests on urban air quality management

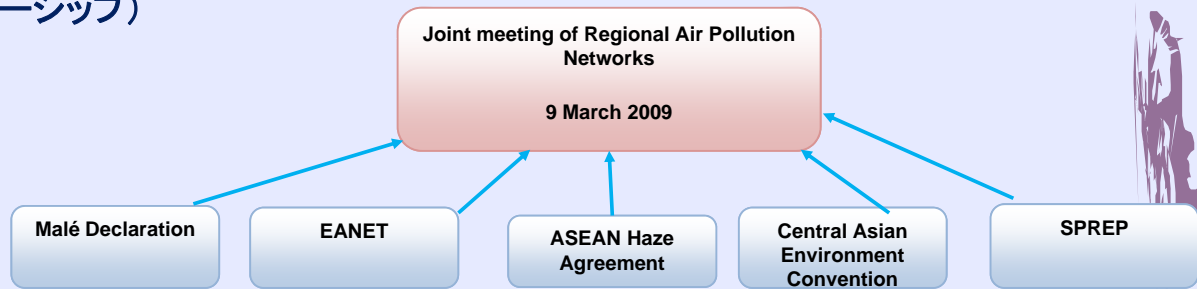


LTV

- Describes the desired state of UAQM
- Help inspire Asian cities and countries in the development of their AQM policies and programmes.
- Harmonizing methods and standards on urban air quality management in Asia.

Joint Meeting of Regional Air Pollution Network (⇨Asia-Pacific Atmospheric Partnership :APAP)

アジア地域の大气汚染ネットワーク合同会合(⇨アジア太平洋地域大气パートナーシップ)



Objectives

The meeting is designed to facilitate closer cooperation among regional air pollution networks in Asia

Targets

- Determine common goals they might share;
- Exchange information and expertise;
- Identify future challenges;
- Determine how best to share information with regional networks outside of Asia; and
- Develop a plan – formal or informal – for continuing cooperation and addressing serious commonly held challenges.

Proposals 提案

- ◆ Initial dialogue through Japanese research project on “Possible regional framework to promote regional air pollution control and co-benefits with climate change (FY2009–2013)”
- ◆ Establishment of “Sub-group on Co-benefits between Air Pollution and Climate Change” under the proposed Asia-Pacific Atmospheric Partnership (APAP)